

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-117655

(43)Date of publication of application : 02.05.1990

(51)Int.Cl.

C07C403/24
C09B 61/00

(21)Application number : 63-271374

(71)Applicant : NISHI NIPPON JIYOUKASOU
KANRI CENTER:KK
ISHII TAKESHI

(22)Date of filing : 26.10.1988

(72)Inventor : ISHII TAKESHI

(54) WATER HYACINTH CAROTENE

(57)Abstract:

PURPOSE: To obtain a water hyacinth carotene useful for the prevention of degenerative diseases including cancers and the prevention of aging, etc., from fresh or dried water hyacinth which is easily available in large quantities by extracting the water hyacinth with a carotene-extractant.

CONSTITUTION: The objective water hyacinth carotene can be produced by extracting fresh or dried water hyacinth with a carotene-extractant such as petroleum ether, benzene or n-hexane. Especially, n-hexane is preferable because of its excellent extracting performance and low toxicity. The objective carotene can be easily produced in large quantities from a raw material which is easily available in large quantities from nature or by cultivation. The process is useful for the effective utilization of hardly disposable water hyacinth.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office